```
uint8_t SvNoteWaveLength78K[]
uint8_t SvSineWaveLookup256[]
volatile uint8_t SvPlayArray[2][256]
volatile uint8 t SvArrayElements[] = { 255, 255 };
volatile uint8_t SvNoteHighNOTLow[] = { 1, 1 };
volatile uint8_t SvNoteFactor[2]; // initializes to 0
volatile uint8_t SvArrNoteDuration[] = { 63, 63 };
volatile uint16_t SvDurationResolution[] = { 305, 305 };
volatile uint8_t SvLiveArr;
volatile uint8_t SvNextLiveArr;
volatile uint8_t SvArrayLiveCounter;
volatile uint8_t SvFactor78KCounter;
volatile uint8_t SvLiveNoteDurationCounter;
volatile uint16_t SvLive78kCyclesCounter;
volatile uint8_t SvStartCalculatingNextNote;
struct NoteStruct {
    uint8_t SvNoteNum;
    uint16_t SvNoteDuration;
    uint8_t SvNoteVolume;
   };
uint8_t SvNumberOfNotesToPlay;
struct NoteStruct SvNotesToPlay[4];
struct NoteStruct SvNoteForPlayArray;
```

SvNoteForPlayArray.SvNoteNum

SvNoteForPlayArray.SvNoteDuration;

```
{\tt SvNoteForPlayArray.SvNoteVolume}
uint8_t SvArrayCount;
uint8_t SvCyclesTotal;
uint16_t temp1;
uint8_t temp2;
uint8_t temp3;
SvStartCalculatingNextNote = 0;
SvArrNoteDuration
SvNextLiveArr
SvNoteHighNOTLow[]
SvNoteFactor[]
SvArrayElements[]
SvNoteWaveLength78K
SvPlayArray[][]
SvSineWaveLookup256
ISR(TIMER0_OVF_vect) {
SvNoteHighNOTLow[]
SvLiveArr
SvPlayArray[][]
SvArrayLiveCounter
SvArrayElements[]
SvArrayLiveCounter = 0;
```

C:\Documents and Settings\stevenm\My Documents\Downloads\mini_speaker\mini_speaker_120511_0920\mini_speaker\TenFriday, May 11, 2012 4:35 PMeaker.c
SvLive78kCyclesCounter
SvDurationResolution[]
SvLiveNoteDurationCounter
SvArrNoteDuration[]
<pre>SvStartCalculatingNextNote = 1;</pre>
SvFactor78KCounter
SvNoteFactor[]